

Item #: _____ Benny's Model of Earth MD Name: _____

- 1) What kind of geologic activity is located here? _____ and _____
- 2) Where is the Java Trench located? _____ ° S _____ ° E and _____
- 3) Where is the Java Trench located in relation to YOUR region (pen-pal's location)
Ex. From North Carolina, Java Trench is South east

4) What is a model? Give an example.
representation of _____ ex. _____

5) What model is Benny going to use to model the Earth?
hard-boiled _____

6) Explain how geologists learn about the Earth's structure.
observation of _____ and _____

7) Why did Benny's class use an egg to model the Earth?
Shell → Earth's
yolk, white → Earth's _____

8) Draw and label Benny's models below. (The two models that are NOT in the box)



9) What does the eggshell represent? _____ What do the cracks in the eggshell represent? _____

10) Explain the crust:
cool, _____, thin, _____

11) Benny refers to plates as "_____ pieces." Do you agree? Why/Why not?
5)

12) Benny says that the motion of the plates leads to earthquakes and volcanic eruptions, how do you think this happens?

hot _____ and core help
move the _____, crust
gets _____ along

13) This movement of plates is called _____

14) Benny says there are layers in the Earth, what does the white stuff in the egg represent?

15) According to Benny's notes, what happens in the mantle?
hot _____ moves like _____ or asphalt

16) What does the yolk represent?

17) What is the core?
Very, very _____ liquid part _____

With your group, answer the Stop and Think questions on page 66—be thorough!

1)

2) (Use photos from plate-62)

3)

4)

5)